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SPECIFICATION AMENDMENT

Replace the heading on page 1, line 3 with:

~~Description~~

BACKGROUND OF THE INVENTION

Insert the following new heading on page 1, line 4:

1. Technical Field.

Replace the paragraph on page 1, lines 5-6 with:

The invention relates to a trough mangle ~~according to the preamble of claim 1, 8, 12, 16, 24 and 34~~ having a mangle roll that can be driven so as to revolve and a flexible mangle trough associated with the mangle roll.

Insert the following heading on page 1, line 7:

2. Prior Art.

Insert the following heading on page 1 prior to line 1:

BRIEF SUMMARY OF THE INVENTION

Replace the paragraph on page 2, lines 1-26 with:

A trough mangle to achieve this object has ~~the features of claim 1~~a mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll, wherein the mangle roll (10) has a diameter which is greater than 1600 mm. The fact that the mangle roll has a diameter which is greater than 1600 mm, in particular in the range between 1600 and 2600 mm, preferably between 1800 and 2400 mm, permits the performance of a trough mangle to be increased without additional mangle rolls. Surprisingly, it has been shown that the mangling performance in the trough mangle according to the invention may be doubled without the roll diameter being twice as large. The mangle performance of a conventional trough mangle with two mangle rolls which, for example, have a diameter of 1300 mm, can be achieved in the case of the trough mangle according to the invention with a single mangle roll whose diameter is around 2000 mm. This is associated in particular with the fact that the resilient behavior of the mangle trough in the circumferential direction of the mangle roll is improved at greater roll diameters. In addition, the loss of smoothing path along the bridges between successive mangle rolls and the loss of evaporation performance are dispensed with. Increasing the mangle performance by means of a mangle roll of a greater diameter instead of the previous sequence of a plurality of mangle rolls also leads to bridges between successive mangle troughs and, in particular, mangle belts susœptible to faults no longer being required.

Replace the paragraph on page 3, lines 1-13 with:

A further trough mangle for achieving the object cited at the beginning or for developing the trough mangle described previously ~~has the features of claim 8~~ wherein a drive side of the mangle roll is assigned a drive, and the drive carries the mangle roll (10) on the drive side (33). Accordingly, the end of the mangle roll which is associated with a drive (drive side) is carried by the drive. In particular, thedrive side of the mangle roll is mounted in the drive unit. This renders a separate bearing for the mangle roll on the drive side superfluous. In addition, the structural dimensions are reduced, since as a result of the missing separate bearing on the drive side, the drive can be placed closer to the relevant end of the mangle roll.

Replace the paragraphs on page 3, line 35 through page 4, line 31 with:

A further trough mangle for achieving the object cited at the beginning or for developing the trough mangle ~~described previously has the features of claim 12~~ having at least one mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10), wherein a drive (32) of the mangle roll (10) has a gearbox which is designed as an epicyclic gearbox, an angled epicyclic gearbox (36), a cyclo gearbox or a harmonic drive gearbox. Accordingly, the gearbox of the drive is designed as an epicyclic gearbox. This makes it possible to reduce the drive speed of a motor, in particular of an electric motor, to the relatively low rotational speed of the mangle roll which, in particular, has a large diameter. The epicyclic gearbox makes it possible to implement large step-down ratios with small structural dimensions. Furthermore, the output drive shaft of the epicyclic gearbox has a relatively high load bearing capacity, which permits the mangle roll on the drive side to be mounted directly on the output drive shaft of the epicyclic gearbox. Use is preferably made of an angled epicyclic gearbox. As a result, the electric motor serving to drive the mangle roll can be flange-mounted on the angled epicyclic gearbox with a longitudinal axis oriented at right angles to the longitudinal axis of the mangle roll. This leads to a particularly compact structural configuration of the drive side of the trough mangle. In addition, the gearbox may alternatively also be a cyclo gearbox or a harmonic drive gearbox.

A further solution of the object cited at the beginning, which can also be used to develop the trough mangle ~~described previously, has the features of claim 16~~ having at least one mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10), wherein, on the drive side (33) and on the non-driven side (34) opposite the latter, the mangle roll (10) is connected to a frame (15) such that it can pivot, in each case via a lever mechanism (30, 31). Accordingly, the mangle roll is pivotably connected to a frame, in each case via a lever mechanism, both on the drive side and on the opposite side, namely the drive-free side. The lever mechanisms make it possible to connect even mangle rolls with large diameters and correspondingly high weights, but also with high contact forces on the mangle trough to the frame in a stable manner.

Replace the paragraph on page 6, lines 13-33 with:

A further trough mangle for achieving the object cited at the beginning or else for developing the trough mangles ~~described above has the features of claim 24~~ having in particular a mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10), wherein the resilient mangle trough (12) is formed of trough sections connected to one another. Accordingly, the resilient mangle trough is formed from trough sections connected to one another. The preferably equally large trough sections of the mangle trough surrounding the mangle trough in some areas, preferably in the area of a lower half, thus extend only over part of the circumference of the mangle roll which is surrounded by the entire mangle trough. In the longitudinal direction of the mangle roll, on the other hand, each trough section extends over the entire length of the mangle roll. Dividing the mangle trough in the circumferential direction in accordance with the invention does not have a noticeable influence on the stability of said trough, but a certain flexibility or resilience is maintained. In the longitudinal direction of the mangleroll, on the other hand, in which the mangle trough is preferably intended to be rigid, the rigidity is maintained, since in this direction the mangle trough is not divided.

Replace the paragraph on page 7, line 34 through page 8, line 3 with:

A further trough mangle for achieving the object ~~cited at the beginning is distinguished by the features of claim 34~~having in particular a mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10), wherein the mangle roll (10) has a wrapping which has a thickness between 6 and 25 mm. This may also be a development of the mangle troughs described previously. Accordingly, the mangle roll is provided with a wrapping, which has a thickness between 6 and 25 mm, in particular 12 to 20 mm. Such a wrapping withstands the loadings which arise when a relatively large mangle roll is pressed against the mangle trough.

Insert the following heading on page 8, line 32:

BRIEF DESCRIPTION OF THE DRAWINGS

Insert the following heading on page 9, line 22:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Delete the heading on page 20, line 1:

~~Trough Mangle~~